Contents of Volume 6

No. 1, April 1989

Osteporotic fracture space: an hypothesis
R.P. Heaney (USA) 1

Low levels of intestinal calbindin-D_{28K} in X-linked hypophosphatemic mice
M. Tohmon, M. Fukase and T. Fujita (Japan) 15

Alterations in rat bone composition related to polyol supplementation of the diet
M. Knuuttila, M. Svanberg and M. Hämäläinen (Finland) 25

Dichloromethylenebisphosphate (Cl_2MBP) inhibits bone resorption through injury to osteoblasts that resorb Cl_2MBP-coated bone
A.M. Flanagan and T.J. Chambers (England) 33

Effects of human PTH-related peptide and human PTH on cyclic AMP production and cytosolic free calcium in an osteoblastic cell clone
H. Yamada, M. Tsutsumi, M. Fukase, A. Fujimori, Y. Yamamoto, A. Miyauchi, Y. Fujii, T. Noda, N. Fujii and T. Fujita (Japan) 45

Biochemical effects of 17β-estradiol on UMR106 cells
D.D. Bankson, N. Rifai, M.E. Williams, L.M. Silverman and T.K. Gray (USA) 55

Corticosteroid-induced changes in the responsiveness of human osteoblast-like cells to parathyroid hormone
C. Silve, J. Fritsch, B. Grosse, C. Tau, A. Edelman, P. Delmas, S. Balsan and M. Garabedian (France) 65

Treatment of postmenopausal osteoporosis: is the anabolic steroid nandrolone decanoate a candidate?
J.S. Johansen, C. Hassager, J. Pødenphant, B.J. Riis, D. Hartwell, K. Thomsen and C. Christiansen (Denmark) 77

Quantitative computed tomography of lumbar vertebrae in Japanese patients with osteoporosis
Y. Fujii, M. Tsutsumi, T. Tsunenari, M. Fukase, Y. Yoshimoto, T. Fujita and H.K. Genant (Japan & USA) 87

Comparison of polyethylene glycol and chromium-51 chloride as nonabsorbable stool markers in calcium balance studies
R. Eastell, M.K. Dewanjee and B.L. Riggs (USA) 95

Selected Bibliography 106

Calendar of Forthcoming Events 108

Announcement 110

No. 2, May 1989

Noncollagenous matrix proteins and their role in mineralization (Review)
A.L. Boskey (USA) 111

The influence of early parathyroidectomy on aluminum-induced rickets in growing uremic rats
S. Vukičević, A. Stavljenić, T. Boll, M. Červar, C. Degenhardt, T. Mihaljević and B. Krempien (Yugoslavia & FRG) 125

Acute plasma calcium regulation in rats: effect of vitamin D deficiency
F. Bronner, J.J. Bosco and W.D. Stein (USA & Israel) 141

The hypercalcemic Walker carcinosarcoma 256 of the rat causes an increase in serum 1,25-dihydroxyvitamin D_3
S.H. Scharla, H.W. Minne, C. Oswald, U.G. Lempert, H. Schmidt-Gayk and R. Ziegler (FRG) 155

A comparative electron microscopic study of apatite crystals in collagen fibrils of rat bone, dentin and calcified turkey leg tendons
A.L. Arsenault (Canada) 165

Osteoclast formation from cloned pluripotent hemopoietic stem cells
C.E. Hagenaars, A.A.M. van der Kraan, E.W.M. Kawilarang-de Haas, J.W.M. Visser and P.J. Nijweide (The Netherlands) 179

Oncogenous osteomalacia: a case study
D.W. Nitzan, A.T. Horowitz, D. Darmon, M.M. Friedlaender, D. Rubinger, P. Stein, I. Bab, M.M. Popovtzer and J. Silver (Israel) 191

Human PTH(1–34) infusion test in differential diagnosis of various types of hypoparathyroidism: an attempt to establish a standard clinical test
M. Yamamoto, Y. Furukawa, Y. Konagaya, H.E. Sohn, A. Tomita, T. Fujita and E. Ogata (Japan) 199

Comparison of bone mineral content between Japan-born and US-born Japanese subjects in Hawaii
A. Nomura, R.D. Wasnich, L.K. Heilbrun, P.D. Ross and J.W. Davis (USA) 213

In vivo long-term precision of spinal bone mass measurement by dual photon absorptiometry (Letter to the Editor)
J.Y. Reginster, P. Geusens, J. Nijs, D. Denis, P. Franchimont and J. Dequeker (Belgium) 225

Selected Bibliography 230

Calendar of Forthcoming Events 232

Corrigendum 235

No. 3, July 1989

The parathyroid glands in the rat as seen by ultrathin step and serial sectioning
O. Svensson, A. Wernerson and F.P. Reinholt (Sweden) 237

Early calcitonin hypersecretion and C cell hyperplasia in rats with high incidence of C cell tumors (Wag/Rij)
M. Khattab, E. Pidoux, G.E. Volle, Z. Bouizar, C. Calmettes, G. Milhaud, M.S. Moukhtar and F. Treilhou-Lahille (France) 249

The effect of substrate composition and condition on resorption by isolated osteoclasts
H. Shimizu, S. Sakamoto, M. Sakamoto and D.D. Lee (USA) 261

Stimulation of collagenolytic enzyme release from cultured bone cells of normal and osteopetrotic (mi/mi) mice by parathyroid hormone and lipopolysaccharide
R.L. Jilka (USA) 277

Cartilage resorption and endochondral bone formation during the development of long bones in chick embryos
H.I. Roach and J.R. Shearer (England) 289

Effect of 1α-hydroxyvitamin D_3 on various stages of predialysis renal bone disease
D.H. Birkenhäger-Frenkel, H.A.P. Pols, J. Zeelenberg, J.J. Eijgelsheim, R.A.M. Kortz, E.A. Hüpscher, J. van Geelen, F.N.R. van Berkum and J.C. Birkenhäger (The Netherlands) 311

X-Ray microanalytical histochemistry of human circumpulpar and mantle dentine
M.C. Sanchez-Quevedo, P.V. Crespo, J.M. Garcia and A. Campos (Spain) 323

Age-related changes in trabecular width and spacing in human iliac crest biopsies
R.W.E. Mellish, N.J. Garrahan and J.E. Compston (Wales) 331

Structural mechanisms of trabecular bone loss in man
J.E. Compston, R.W.E. Mellish, P. Croucher, R. Newcombe and N.J. Garrahan (Wales) 339

The Chemofux Award Symposium 1988, Vienna, Austria 351

Book Review 354

Selected Bibliography 356

Calendar of Forthcoming Events 360

Contents of Volume 6 362

Author Index 365

Subject Index 368